***COMPLETE IN NOTEBOOK! COPY ALL FIGURES!***

CW55/HW55: Proving Similarity

**Geometry  
Due: Thursday, Feb. 2nd**

**Part I: Prove**

|  |  |
| --- | --- |
| **Directions: Prove the the triangles below are similar using the AA, SSS, or SAS similarity theorems.** | |
|  | |
|  |  |
|  |  |
|  | 1. **../../../../Desktop/Screen%20Shot%202017-01-29%20at%203.46.39%20PM.pn** |
| 1. **../../../../Desktop/Screen%20Shot%202017-01-29%20at%203.46.57%20PM.pn** | 1. **../../../../Desktop/Screen%20Shot%202017-01-29%20at%203.47.53%20PM.pn** |
| 1. **../../../../Desktop/Screen%20Shot%202017-01-29%20at%203.48.10%20PM.pn** | 1. **../../../../Desktop/Screen%20Shot%202017-01-29%20at%203.48.34%20PM.pn** |

**Part II – Solve**

**#12-#14: Solve for the missing side.**

|  |  |  |
| --- | --- | --- |
| 1. ../../../../Desktop/Screen%20Shot%202017-01-29%20at%204.19.50%20PM.pn | 1. **../../../../Desktop/Screen%20Shot%202017-01-29%20at%204.19.54%20PM.pn** | **../../../../Desktop/Screen%20Shot%202017-01-29%20at%204.19.58%20PM.pn** |

**#15-#17: Solve for x.**

|  |  |  |
| --- | --- | --- |
| 1. ../../../../Desktop/Screen%20Shot%202017-01-29%20at%204.20.04%20PM.pn | 1. **../../../../Desktop/Screen%20Shot%202017-01-29%20at%204.20.10%20PM.pn** | 1. **../../../../Desktop/Screen%20Shot%202017-01-29%20at%204.20.14%20PM.pn** |